

Serial No. 10/804,745

Atty Docket DP-309408

AUG 27 2008

AMENDMENTS TO THE CLAIMS

Please amend claims 1-3, 7, 11-13 and 15, and cancel claims 4, 5, 13, 16, 39 and 40, as set forth in the listing of claims that follows.

1. (currently amended) A method of controlling a vehicle having an adaptive cruise control system capable of controlling a vehicle speed and obtaining the vehicle's a vehicle lateral acceleration, said method comprising the steps of:

measuring a lateral acceleration from a lateral acceleration sensor;

detecting a change in a vehicle lateral acceleration based on a change in the measured lateral acceleration;

determining when the vehicle is in a turn based on a the detected change in the vehicle's vehicle lateral acceleration; and

if a vehicle is in a turn, reducing the vehicle's vehicle speed according to the vehicle's position determination that the vehicle is in the turn and the detected change in the vehicle lateral acceleration.

2. (currently amended) The method of claim 1 wherein said step of determining includes steps of

measuring the vehicle's vehicle speed;

measuring the vehicle's a vehicle yaw rate; and

measuring the a rate of change in the vehicle's vehicle yaw rate.

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3. (currently amended) The method of claim 2 wherein said step of determining further includes a step of utilizing speed data corresponding to the ~~vehicle's~~ vehicle speed, yaw rate data corresponding to the ~~vehicle's~~ vehicle yaw rate, and yaw rate of change data corresponding to the rate of change in the ~~vehicle's~~ vehicle yaw rate, ~~to calculate lateral acceleration data, said lateral acceleration data corresponding to the vehicle's lateral acceleration.~~

4-5. (cancelled)

6. (original) The method of claim 1 further comprising a step of determining the vehicle's position within the turn.

7. (currently amended) The method of claim 1 wherein said step of reducing the ~~vehicle's~~ vehicle speed includes a step of reducing the speed ~~until~~ if the ~~vehicle's~~ vehicle lateral acceleration exceeds a predetermined limit.

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8. (withdrawn) The method of claim 1 further comprising the steps of:

detecting an object;

determining whether the object is in the vehicle's path during the turn;

determining whether the object is in the vehicle's path during the turn; and

ignoring the object for braking purposes if the object is determined not to be in the

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